



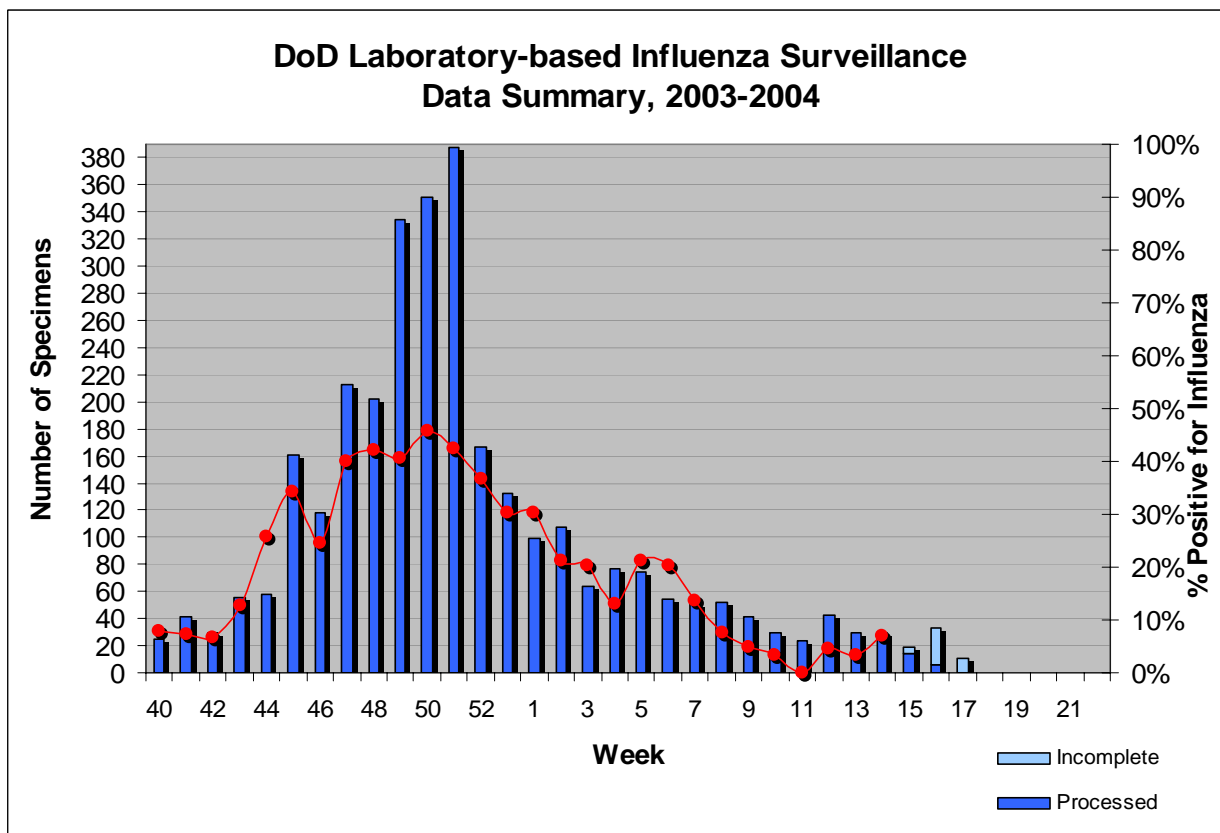
## DoD Global Influenza and Other Respiratory Viral Pathogens Surveillance Weekly Update Week 17 (25 Apr – 1 May)



**Note:** This will be the last weekly update for the 2003-2004 season. A monthly report will continue until the 2004-2005 season begins. The three new positive Influenza B confirmations come from specimens collected at research sites last year.

Number of identified isolates (**newly identified/cumulative**): **3/ 968** (Influenza A=956; Influenza B=12)

**See accompanying table on last page for breakdown by demographics.**



Graph contains preliminary data. Go to: <https://afioh.brooks.af.mil/pestilence/Influenza/> for more details.

### SUMMARY:

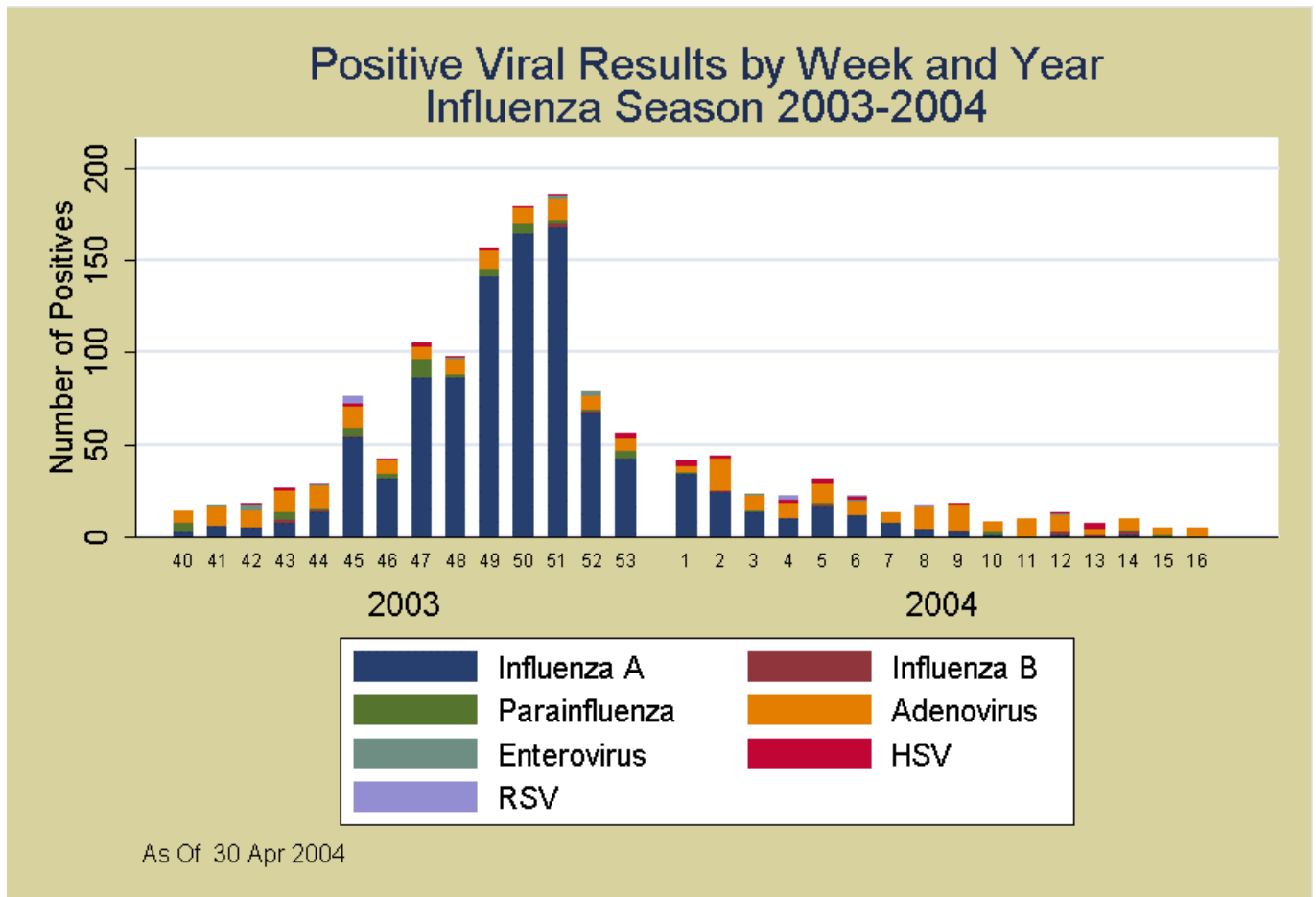
Since the start of the influenza surveillance season (Week 40: 28 Sep to 4 Oct 03), the Epidemiological Surveillance Division (AFIOH/SDE) has received **3114** throat swab specimens as part of the influenza surveillance program. 3,071 (99%) of the specimens have been processed to date. Of those processed, 956 (32%) were positive for Influenza A virus and 12 (<1%) were positive for Influenza B virus.

### SUBTYPING:

A total of 494 influenza isolates were subtyped. Four hundred eighty-six (51%) of the influenza A isolates were subtyped; of these, 485 (99%) were H3N2, while one (1%) was H1N2. Eight of the influenza B isolates have been subtyped as B/Sichuan-like and one of the influenza B isolates has been subtyped as

B/Hong Kong. Subtyping was accomplished by either polymerase chain reaction (PCR) or hemagglutination-inhibition (HI).

#### Overall DoD Respiratory Viral Surveillance:



For Graphs by CDC Region, please see the end of this document.

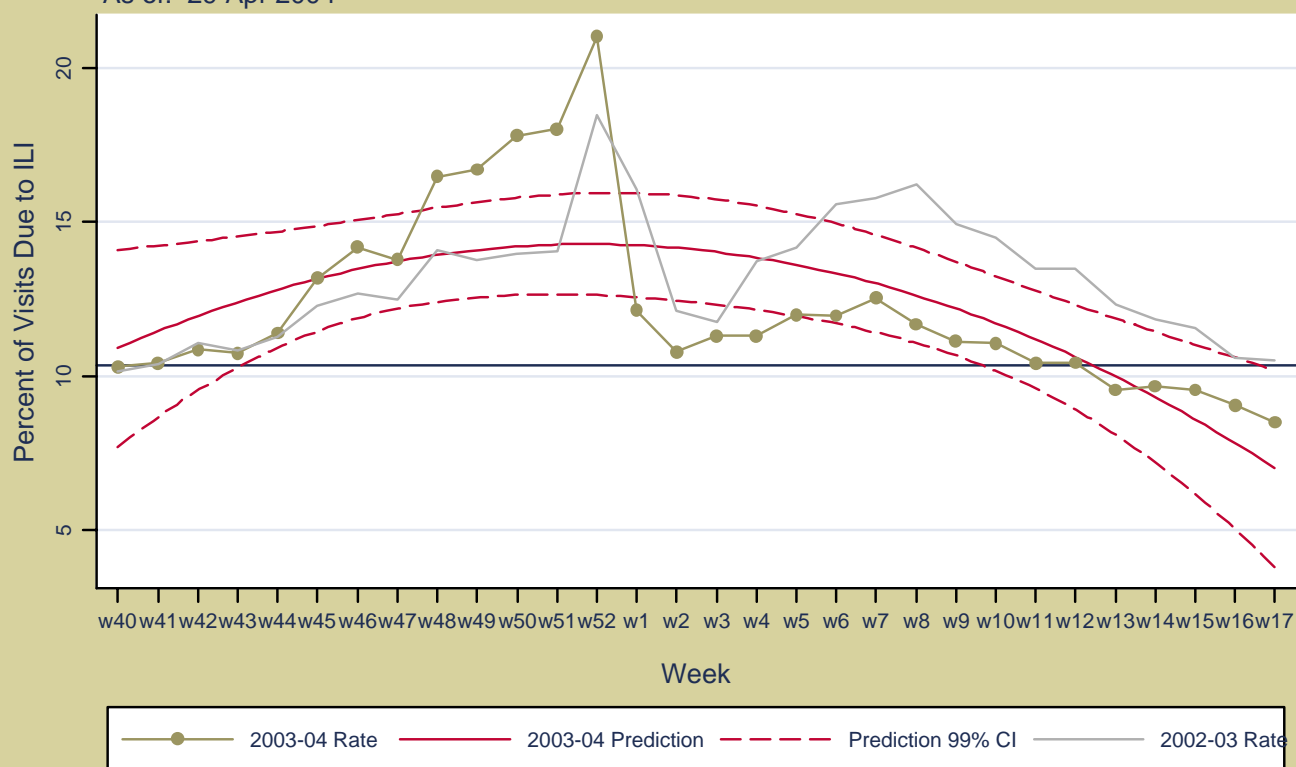
#### Influenza-like Illness:

This graph plots the percentage of total outpatient visits that had an ILI diagnostic code assigned for each week. A predicted trend line and 99% confidence intervals are included. Data are plotted from the previous influenza season for comparison. The trend line shows the direction and magnitude of weekly ILI visits. The 99% confidence intervals indicate the range around the trend line in which visit rates would be expected to fall most of the time. When the actual ILI rate for any week is outside the 99% confidence interval, the results can be considered to be significantly different from what would be expected.

**(GRAPH ON NEXT PAGE)**

## ILI Rate -- Global Military Health System

As of: 29 Apr 2004



Note: 2002-03 Data Only Available After Week 39  
Horizontal Line is Interseasonal Threshold

Note: The 2002-2003 data is available only from Week 40 (September 28 –October 4).

Additional regional graphs can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/ILChartsform.cfm>

### NATIONAL INFLUENZA ACTIVITY: CDC

<http://www.cdc.gov/ncidod/diseases/flu/weeklychoice.htm>

During week 16(18 Apr -24 Apr), the World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) laboratories tested a total of 333 specimens for influenza viruses and 13 (3.9%) were positive. Of these, 1 was an influenza A (H3N2) virus, 8 were influenza A viruses that were not subtyped, and 4 were influenza B viruses.

\* Week 17 CDC data was not available at the time of this report.

### INTERNATIONAL INFLUENZA ACTIVITY: WHO

<http://www.who.int/GlobalAtlas/home.asp>

Week in review: **Week 17**

*South America:* Chile reported a local outbreak.

*Asia:* China reported sporadic activity.

*Europe:* Italy reported sporadic activity.

*North America:* The United States reported sporadic activity.

## ADDITIONAL INFORMATION:

- **4 SARS Cases Confirmed In China**

The Chinese Ministry of Health has now reported as “confirmed” a total of four patients in Beijing as having SARS. They are a 26-year old postgraduate student who had been conducting research at the National Institute of Virology in Beijing, a 20-year-old nurse who cared for the student, and two relatives of the nurse. The number of SARS cases either clinically confirmed or under investigation is at nine: seven in Beijing and two (including the single fatality) in Anhui Province. To date, all cases have had clear lines of transmission involving close contact with an identified case. As these are the initial cases for this outbreak, results will be confirmed by an external international reference laboratory to meet WHO standards for a confirmed case. (from the WHO website)

**Table 2. Demographics for Positive Influenza Isolates**

Demographics	New Identified		Cumulative (Season)	
AGE (years)	A	B	A	B
0–5	0	0	121	1
6-19	0	0	170	1
20-64	0	0	444	7
65 +	0	0	13	0
Unknown	0	3	208	3
<b>OVERALL TOTALS</b>	<b>0</b>	<b>0</b>	<b>956</b>	<b>12</b>
STATUS	A	B	A	B
Military member/Sponsor	0	0	414	6
Spouse	0	0	137	1
Child	0	0	381	2
Other/Unknown	0	3	24	3
<b>OVERALL TOTALS</b>	<b>0</b>	<b>0</b>	<b>956</b>	<b>12</b>
# POSITIVES SUBMITTED BY SENTINEL SITES (only)	A	B	A	B
Al Udeid AB, Qatar	0	0	1	0
Andersen AFB, Guam	0	0	26	0
Andrews AFB, MD	0	0	27	1
Bremerton NS, WA	0	0	16	0
Elmendorf AFB, AK	0	0	24	0
Ganci AB, KYRG	0	0	7	0
Incirlik AB, Turkey	0	0	1	0
Kadena AB, Japan	0	0	4	1
Kunsan AB, Korea	0	0	7	2
Ketchikan, AK	0	0	4	0
Maxwell AFB, AL	0	0	14	0
McGuire AFB/FT. Dix, NJ	0	0	33	0
Misawa AB, Japan	0	0	11	0
NAB Little Creek, VA	0	0	89	0
Osan AB, Korea	0	0	31	2
NS Pearl Harbor/Hickham HI	0	0	23	0
RAF Lakenheath, UK	0	0	38	0

Ramstein AB, Germany	0	0	24	0
Sheppard AFB, TX	0	0	18	0
Travis AFB, CA	0	0	54	1
Tripler AMC, HI	0	0	53	2
US Air Force Academy, CO	0	0	64	0
Yokota AB, Japan	0	0	18	0
NH Yokosuka, Japan	0	0	2	0
<b>TOTALS for SENTINEL SITES</b>	<b>0</b>	<b>0</b>	<b>617</b>	<b>9</b>

**Table 2. Resp. specimens specifically evaluated for SARS**

Location	Total # of specimens evaluated for SARS & related resp diseases	
	Current Week	Cumulative**
ALL SITES	0	0
PACOM	0	0
CENTCOM	0	0
OTHER	0	0

**Table 3. Resp. specimens received**

Location	Total # of Specimens Received	
	Current Week*	Cumulative**
ALL SITES	35	3114
PACOM	6	610
CENTCOM	0	74
OTHER	29	2430

Comments: \*Received between 4/22/04 and 4/30/04

\*\*Received since 1 September 2003.

**Table 4. Summary of Results of Processed Respiratory Specimens**

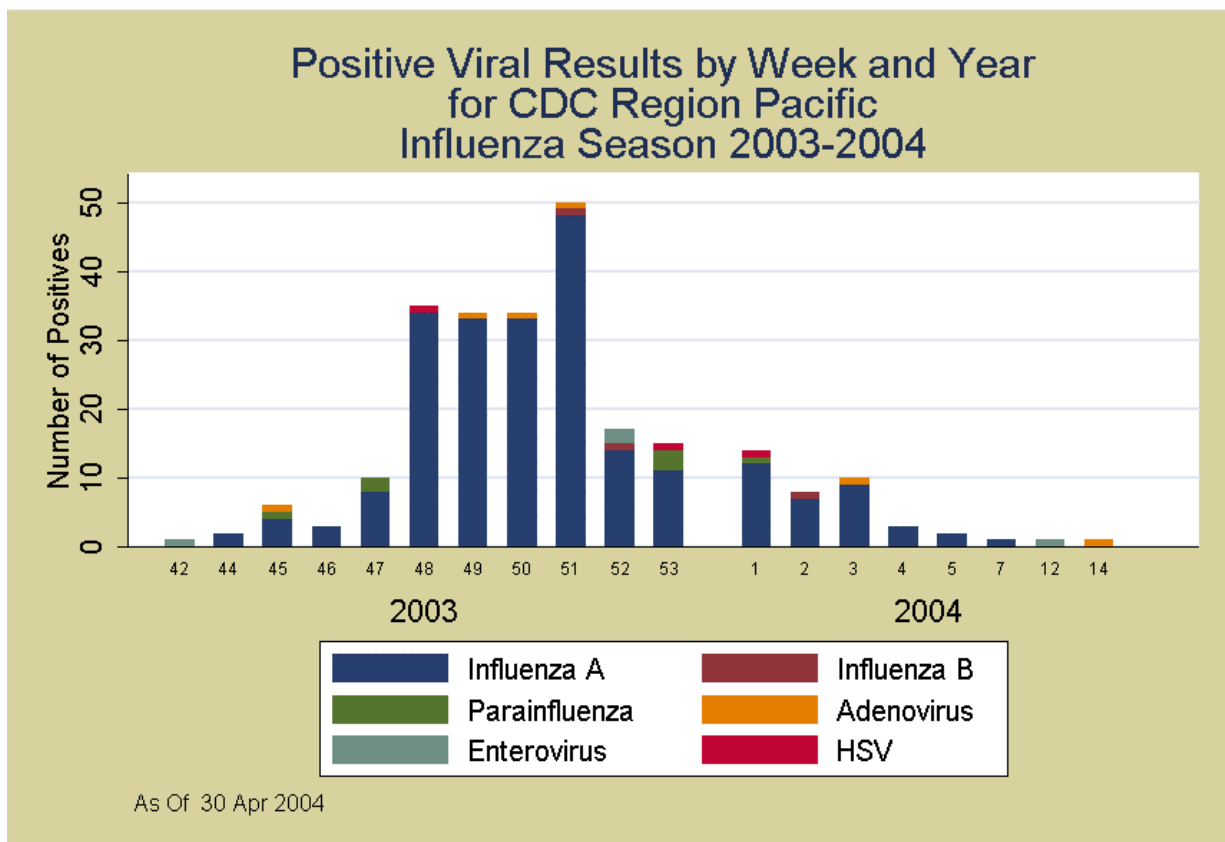
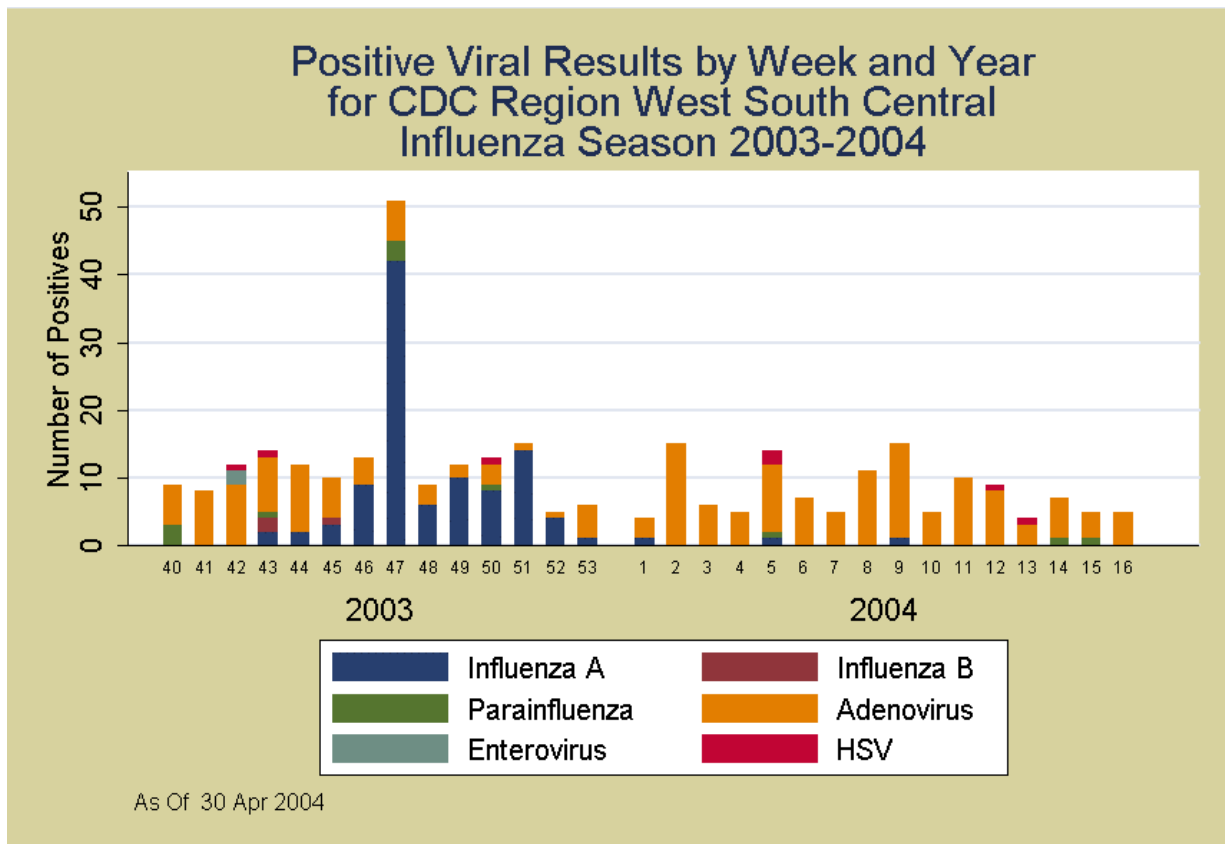
Location	Results of Specimens Processed from 25 Apr-1 May 2004*			
	Negative	Influenza A	Influenza B	Other **
ALL SITES	10	0	0	6
PACOM	2	0	0	0
CENTCOM	0	0	0	0
OTHER	8	0	0	6

Comments: \* all specimens were **received** from 4/15/04 and 4/27/04

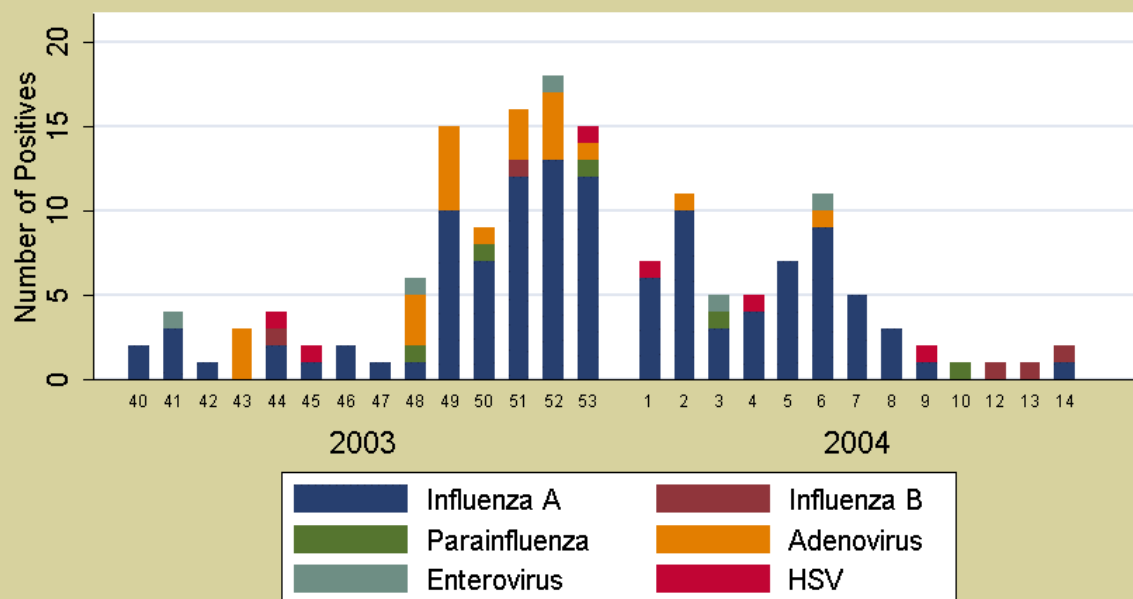
\*\* 5 positive for adenovirus, 1 for parainfluenza

## Graphs of All Isolates by CDC or Overseas Regions

Note: Only regions which displayed new activity in the last 4 weeks are shown.



# Positive Viral Results by Week and Year for CDC Region Pacific Rim Influenza Season 2003-2004



As Of 30 Apr 2004